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(p27 [Kip1])

1 ATGTCAAACGTGCGAGTGTCTAACGGGAGCCCTAGCCTGGAGCGG  
MetSerAsnValArgValSerAsnGlySerProSerLeuGluArg

46 ATGGACGCCAGGCAGGCAGGAGCACCCAAAGCCCTGGCCTGCAGG  
MetAspAlaArgGlnAlaGluHisProLysProSerAlaCysArg  
91 AACCTCTCGGCCCGGTGGACCACGAAGAGTTAACCCGGGACTTG  
AsnLeuPheGlyProValAspHisGluGluLeuThrArgAspLeu  
136 GAGAACGACTGCAGAGACATGGAAGAGGGCGAGCCAGCGCAAGTGG  
GluLysHisCysArgAspMetGluGluAlaSerGlnArgLysTrp

181 AATTCGATTTCAGAATCACAAACCCCTAGAGGGCAAGTACGAG  
AsnPheAspPheGlnAsnHisLysProLeuGluGlyLysTyrGlu

226 TGGCAAGAGGTGGAGAAGGGCAGCTGCCGAGTTCTACTACAGA  
TrpGlnGluValGluLysGlySerLeuProGluPheTyrTyrArg

271 CCCCCGGCCCCCCTAAAGGTGCCTGCAAGGTGCCGGCGCAGGAG  
ProProArgProProLysGlyAlaCysLysValProAlaGlnGlu

316 AGCCAGGATGTCAGCGGGAGCCGCCGGCGCCTTAATTGGG  
SerGlnAspValSerGlySerArgProAlaAlaProLeuIleGly

361 GCTCCGGCTAACTCTGAGGACACGCATTGGTGGACCCAAAGACT  
AlaProAlaAsnSerGluAspThrHisLeuValAspProLysThr

406 GATCCGTCGGACAGCCAGACGGGTTAGCGGAGCAATGCGCAGGA  
AspProSerAspSerGlnThrGlyLeuAlaGluGlnCysAlaGly

451 ATAAGGAAGCGACCTGCAACCGACGATTCTTCTACTCAAAACAAA  
IleArgLysArgProAlaThrAspAspSerSerThrGlnAsnLys

496 AGAGCCAACAGAACAGAAGAAAATGTTCAGACGGTTCCCCAAAT  
ArgAlaAsnArgThrGluGluAsnValSerAspGlySerProAsn

541 GCCGGTTCTGTGGAGCAGACGCCAAGAACGCTGGCCTCAGAAGA  
AlaGlySerValGluGlnThrProLysLysProGlyLeuArgArg

586 CGTCAAACGTAA  
ArgGlnThr

Fig. 1

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## FKBP-12 SEQUENCE

1       GCCGCCGCCATGGGAGTGCAGGTGGAAACCATCTCCCCAGGAGAC  
MetGlyValGlnValGluThrIleSerProGlyAsp

46       GGGCACCTTCCCCAAGCGCGGCCAGACCTGCGTGGTGCAC TAC  
GlyArgThrPheProLysArgGlyGlnThrCysValValHisTyr  
91       ACCAGGATGCTTGAAGATGGAAAGAAATTGATT CCTCCCGGGAC  
ThrGlyMetLeuGluAspGlyLysLysPheAspSerSerArgAsp

136       AGAAACAAGCCCTTAAGTTATGCTAGGCAAGCAGGAGGTGATC  
ArgAsnLysProPheLysPheMetLeuGlyLysGlnGluValIle

181       CGAGGCTGGGAAGAAGGGGTTGCCAGATGAGTGTGGGT CAGAGA  
ArgGlyTrpGluGluGlyValAlaGlnMetSerValGlyGlnArg

226       GCCAAACTGACTATATCTCCAGATTATGCCCTATGGTGCCACTGGG  
AlaLysLeuThrIleSerProAspTyrAlaTyrGlyAlaThrGly

271       CACCCAGGCATCATCCCACCATGCCACTCTCGTCTCGATGTG  
HisProGlyIleIleProProHisAlaThrLeuValPheAspVal

316       GAGCTTCTAAAATGGAATGACAGGAATGCCCTCCCTTAGCT  
GluLeuLeuLysLeuGlu

361       CCCTGTTCTGGATCTGCCTGGAGGGATCTGGTGCCTCCAGACAT  
406       GTGCACATGATCCATATGGAGCTTCTGATGTTCCACTCCACT  
451       TTGTATAGACATCTGCCCTGACTGAATGTGTTCTGTCACTCAGCT  
496       TTGCTTCCGACACCTCTGTTCCCTTCCCTTCCTCGTATG  
541       TGTGTTACCTAAACTATATGCCATAAACCTCAAGTTATTCA

Fig. 2

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DEMONSTRATION OF THE  
P27(KIP1):FKBP12 INTERACTION

	P27(Kip1)	A1	B1
CDK2	+	-	-
FKBP-12	+	-	-
TRK	-	-	-
CYC-B	-	-	-
Vector	-	-	-

Fig. 3